Amendments to the Claims

Claim 1 (currently amended). ~~An isolated retroviral~~ A pseudotyped SIVsmmPBj14 vector derived from a SIVsmmPBj14 virus, which ~~that is capable of transducing cells in a G_0 phase, wherein the vector~~ comprises a SIVsmmPBj14 viral genome in which at least a portion of the SIVsmmPBj14 *env* gene is deleted to render the envelope protein encoded by the *env* gene non-expressible, and which is capable of transducing cells in a G_0 phase, a mitotic phase, and a G_1 phase.

Claim 2 (canceled).

Claim 3 (canceled).

Claim 4 (currently amended). The ~~retroviral~~ vector according to claim 1, wherein the deletion in the SIVsmmPBj14 *env* gene is in the SU range.

Claim 5 (canceled).

Claim 6 (currently amended). The ~~retroviral~~ vector according to claim 1, comprising a gene ~~capable of expressing~~ encoding an envelope protein of a ~~virus other than~~ non-SIVsmmPBj14 virus, wherein the gene is under the control of a promoter.

Claim 7 (currently amended). The ~~retroviral~~ vector according to claim 6, wherein the non-SIVsmmPBj14 virus is selected from the group consisting of HIV-1, SIVagm, SNV, MLV and VSV.

Claim 8 (currently amended). The ~~retroviral~~ vector according to claim 6, wherein the envelope protein of the non-SIVsmmPBj14 virus is the G-protein of VSV.

Claim 9 (currently amended). A method for making a pseudotyped SIVsmmPBj14 ~~vectors~~ vector, comprising the steps of:

a) deleting a part of or the entire *env* gene of [[a]] the SIVsmmPBj14 viral genome or a molecular clone of the viral genome to render the envelope protein encoded by the SIVsmmPBj14 *env* gene non-expressible; and

b) cotransfecting cells with the construct of a) and an expression construct comprising the coding sequence of a non-SIVsmmPBj14 envelope protein.

Claim 10 (canceled).

Claim 11 (previously presented). The method according to claim 9, wherein the cells are 293T cells.

Claim 12 (previously presented). The method according to claim 9, wherein the non-SIVsmmPBj14 envelope protein is an envelope protein of a virus selected from the group consisting of HIV-1, SIVagm, SNV, MLV and VSV.

Claim 13 (previously presented). The method according to claim 9, wherein the non-SIVsmmPBj14 envelope protein is the G-protein of VSV.

Claim 14 (previously presented). A pseudotyped vector made according to the method of claim 9.

Claim 15 (previously presented). A method for transducing cells in the G_0 phase comprising contacting the cells with a vector of claim 14.

Claims 16-17 (canceled).

Claim 18 (currently amended). ~~An isolated lentiviral expression vector that is capable of transducing cells in a G_0 phase, the vector~~ A pseudotyped lentiviral vector

comprising the genome of an infectious molecular clone of SIVsmmPBj14 designated as [[a]] SIVsmmPBj1.9 ~~lentiviral genome comprising~~ and including an inactive SIVsmmPBj1.9 *env* gene that includes a deletion that renders the envelope protein encoded by the SIVsmmPBj1.9 *env* gene non-expressible, and further comprising ~~an expressible~~ a VSV-G *env* gene under the control of a promoter, such that the only envelope proteins ~~expressed~~ produced by the vector are VSV-G envelope proteins, and which is capable of transducing cells in a G_0 phase, a mitotic phase, and a G_1 phase.

Claim 19 (currently amended). The ~~isolated lentiviral expression~~ pseudotyped vector of claim 18 wherein the SIVsmmPBj1.9 *env* gene comprises a deletion in the SU region of the SIVsmmPBj1.9 *env* gene.